



**2016-2017 Academic Year**  
**2 - Research Assistantship (Doctoral Students only)**  
**Office of Science and Technology, Research Division**  
**Placement ID: MAPPING**

**Topic Area:** **Mapping and Analysis for Public Safety**

**Program Overview:** NIJ is interested in stimulating a scientifically rigorous body of research on the topic of combining geographic data with criminal justice report data and then displaying the information on a map in an effective way to analyze who, what, where, when, and why crime occurs. Computerized crime maps are becoming commonplace. Recent advances in statistical analysis makes it possible to add more geographic and social dimensions to the analysis.


**Research assistant project task responsibilities may include but are not limited to:**

- Compiling, reviewing, and annotating literature on selected research topics.
- Maintaining and updating literature review matrix/spreadsheets on research topics.
- Maintaining and updating databases on research topics.
- Assisting in developing research questions and designs for intramural studies.
- Assisting in preparing materials for Intuitional Review Board review for intramural studies.
- Assisting in conducting data analyses and report writing for intramural projects.
- Assisting with publications and presentations (specific outlets to be determined).
- Revising and updating NIJ web topic pages on assigned research topics.
- Coordinating and collaborating with federal partners on assigned research topics.

**Candidate Eligibility Criteria**

- Demonstrated knowledge of the U.S. criminal justice system ***preferred***.
- Demonstrated knowledge of basic research, fundamental, applied, and evaluation methods and analyses ***required***.
- Demonstrated knowledge of cartography ***preferred***.
- Demonstrated knowledge of criminological theory ***preferred***.

**General Required Qualifications**

- **Education and/or Experience:** Doctoral students working toward a terminal degree (e.g., Ph.D., D.P.A., Dr.PH., D.H.Sc., D.S.W., Psy.D., Ed.D.).
- **Mathematical Skills:** Very good to advanced understanding of statistical principles and research methods (quantitative and qualitative).
- **Computer Skills:** Working knowledge of computers and standard software such as Adobe Professional, Excel, Internet Explorer, Outlook, Windows operating systems, Word, and PowerPoint required. Proficiency using , SPSS, SAS, Stata, ESRI ArcMap (9.3 or later), and Relational databases. Knowledge of Access, ATLAS.ti and other statistical or geospatial software a plus.



- Reasoning Ability: Ability to work independently, accurately, and in a timely manner.
- Communication Skills: Ability to communicate orally and in writing to prepare comprehensive research reports, proposals, and presentations and make recommendations to accomplish and enhance project objectives.
- Certifications, Licenses, Registrations: Human Subjects (HS) Protection training is required. NIJ research assistants must take annual HS training onsite at the Office of Justice Programs. RAs also must successfully complete [CITI training](#) prior to participating on any studies.
- Background Check: Candidates must complete all required U.S. Department of Justice profile and pre-screening paperwork with all security reviews and background investigations (such as credit and criminal investigations) resulting in a favorable adjudication.
- Citizenship: Candidates must be U.S. citizens.

**Work Location:** Primary work location will be at [NIJ's offices in Washington, D.C.](#) Minimal local travel in the [National Capital Region](#) may be needed to attend meetings and visit offsite research facilities.